

SINGLE REACTOR SYNTHESIS OF KOH-CAPPED POLYOLS
BASED ON DMC SYNTHESIZED INTERMEDIATES

ABSTRACT OF THE DISCLOSURE

The present invention relates to processes for preparing ethylene oxide (EO)-capped polyols in which removal of catalyst residues or salts formed by the neutralization of the basic catalyst is not required prior to discharging the polyol from the reactor because neutralization occurs during or after the starter charge of a subsequent batch. The inventive processes allow for the preparation of DMC-catalyzed intermediates and their base-catalyzed EO caps within the same reactor. Polyols produced by the processes of the invention have a high content of primary hydroxyl groups and may be useful for producing polyurethane foams, elastomers, sealants, coatings, adhesives and the like.